

Patent Abstracts of Japan

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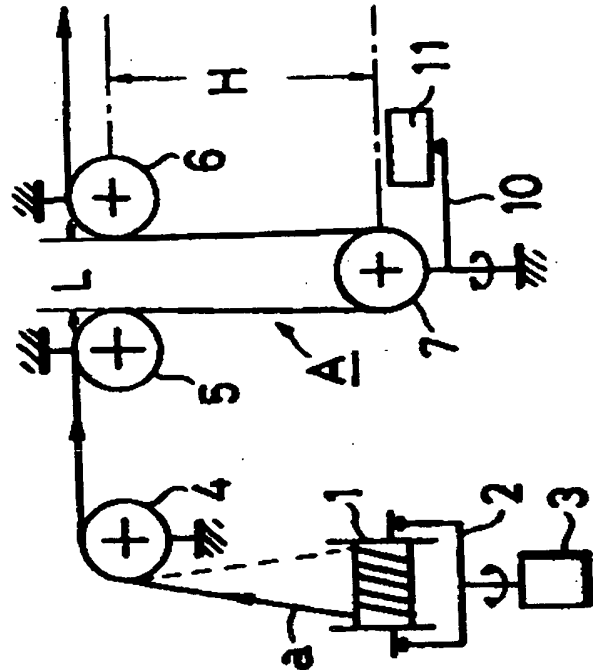
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TITLE : DETECTING AND CORRECTING
METHOD FOR ROTATING PROPERTY
OF STEEL CORD



ABSTRACT : PURPOSE: To remove the rotating property of steel cord, by passing continuously the steel cord through U-shaped path made around rotatable sheaves, and by detecting the degree of rotation of the rotatable sheaves caused by the rotating property of the cord so as to rotate the turntable of the final winding drum to a prescribed degree.

CONSTITUTION: A steel cord (a) drawn out from a drum 1 under a prescribed tension and fed through a guide 4 to a detecting unit A is passed around grooved sheaves 5, 6, 7 while forming a U-shaped path. When the cord (a) has rotating property, the U-shaped part of the cord is twisted either in positive or in negative direction, so that the sheave 7 is rotated to a prescribed degree. Then the detecting pin 10 of a frame member 8 rotates and comes into contact with a load cell 11. The load detected by the load cell 11 is converted into a signal and is fed to a pulse motor 3, hereby the motor 3 is rotated to a prescribed degree. The rotation of the motor 3 causes the rotation of the turntable 2 equipped with the final drum.

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